

ESR 150: Environmental Studies Orientation
Monday 1 – 1:50 am RC Building 7/Room 1076
1 credit, CRN 15911
Winter 2016

INSTRUCTOR: Dr. Valance Brenneis

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OFFICE HOURS: Monday and Wednesday 11- 12, Tuesday and Thursday from 2:00 – 3:30 pm

COURSE DESCRIPTION: Environmental Studies Orientation is a one-credit class that serves to introduce students to environmental information and environmental careers through speakers and hands-on activities. The course emphasizes the academic background needed for various environmental careers. The Course Content Outcome Guide can be found at:

<http://www.pcc.edu/ccog/default.cfm?fa=ccog&subject=ESR&course=150>

TEXT: No text is required for this course.

COMMUNICATION: Please check Desire2Learn and your MyPCC email regularly.

ASSIGNMENTS AND GRADING CRITERIA: Grades will be based on weekly summaries and a career summary paper or service-learning project. The ten weekly summary assignments are worth 70% of your total grade and the career paper or service-learning project will be worth 30% of your grade. The weekly summaries are due at the beginning of the following week's class. I will hand out a list of basic questions to guide your weekly summary at the beginning of each class. You should complete these questions and take additional notes as directed. If you miss a class, you may not submit a summary for that week (since you missed the lecture or activity), but I will drop your lowest grade for the weekly summary assignments.

The career summary paper will discuss in some depth an environmental career of your choosing. The paper should use credible sources (through the PCC library) to describe the qualifications required (skills, knowledge, training) and the nature of the work, as well as a reflection on the fit between the student's interests and skills and the career. The paper must be typed and should be approximately three pages in length double-spaced.

If you choose to do a service learning project to complete your career paper requirement, you must choose a volunteer opportunity, complete and document 10 - 12 hours of service work and then write a two page summary of how your experience relates to environmental science and your proposed field of study. For more information refer to www.pcc.edu/sl. In either case, the final paper is worth 30 points and is due in class on Monday, March 7th. Late papers will have 10% deducted per day.

GRADING SCALE:

A = 90% and above

B = 80% to 89%

C = 70 to 79%

D = 60 to 69%

F = 59% and below

For more detail on PCC grading guidelines: <http://www.pcc.edu/resources/academic/standards-practices/documents/G301GradingMarch2011.pdf>

ACADEMIC DISHONESTY: Plagiarism is considered to be cheating. Plagiarism is defined as copying another person's written work (more than three words in a row) and not properly quoting and crediting the source. This includes copying from fellow students, as well as published sources. I may also choose to lower your course grade to "F" in accordance with the guidelines contained in the Students Rights and Responsibilities Handbook. Please resist the temptation to cut and paste information into your paper – always rewrite the information using your own words and cite information and ideas appropriately.

ATTENDANCE/CONDUCT GUIDELINES: Regular, on-time attendance is virtually essential to academic success and is required by college regulations. Show respect to our guest speakers by arriving on time and asking thoughtful questions. Please see me if you have any attendance problems. If you are absent, it is your responsibility to find out what work was done in class, which assignments were given out or collected, and to learn the material. Personal electronic devices should be set to silent mode or OFF. No eating allowed in class. Disruptive behavior will be dealt with as described in the Student Rights and Responsibilities Handbook. Please learn more about your rights and responsibilities as a student:

<http://www.pcc.edu/about/policy/student-rights/student-rights.pdf>

ADD/DROP DEADLINES: The drop deadline for classes is the first Saturday of the term by 10 pm. Classes must be dropped online using MyPCC. Late registration ends two business days after the course drop deadline.

WITHDRAWALS: If withdrawal from the course becomes necessary for any reason, it is the responsibility of the student to officially withdraw through the Business Office. Students who stop attending and do not withdraw may receive an "F". If you withdraw within the first week of classes, you will not be charged for the class. If you withdraw during the first four weeks, tuition will be charged but the course will not be recorded on your transcript. If you withdraw between weeks 4 and 8, a "W" will appear on your transcript and this may affect your financial aid status. Please note that you may change to Audit only within the first week of the quarter and to the Pass/No Pass option within the first eight weeks of the quarter.

ADA STATEMENT: PCC is committed to supporting all students. If you have an accommodation form from Disability Services, please make arrangements to meet with me privately to discuss your needs. To request academic accommodations due to a disability, please contact Disability Services at 971-722-4341 or through their website, <http://www.pcc.edu/resources/disability>. They are available to discuss a wide range of issues and concerns.

Career Summary Paper Rubric

Objective: Discuss an environmental career of your choosing. This information should come from credible references (access through PCC library) and may be supplemented with interviews.

Component	Full credit (6 pts)	Partial credit (3 pts)	No credit (0)
Format	~ 3 pages in length Typed, double-spaced, 12 pt font, 1" margins, professional.	Too short or too long, format not as specified. Sloppy work.	Not typed, unreadable.
Writing quality	Well written paper with proper spelling and grammar. Use of topic sentences and paragraph structure. Logical and clear progression of ideas.	Multiple spelling mistakes <u>or</u> grammar errors. Lacking focus, paragraph structure <u>or</u> topic sentences.	Unreadable.
Introduction	Provides clear description of career and qualifications required for this work. Thoroughly explains the skills, knowledge and training required.	Description is too brief or unclear <u>or</u> skills, knowledge and training section is merely a list of terms, rather than a thorough explanation.	Missing or incomplete.
Body	Thoughtfully describes nature of the work and shows an understanding of how one might pursue this career path and where one might find a job in this field. What is the pay range? Is the field growing?	Description of work is not clear or detailed. Does not clearly describe potential career paths <u>or</u> potential employers.	Missing or incomplete.
Conclusion	Thoughtfully reflect on whether or not this career seems to be a good fit for your interests and skills.	Some reflection on the fit between student's interest and job requirements.	No reflection.
References	At least three high quality sources of information on your topic, including at least two resources available through the PCC library. Cited properly both in the text and in a references section at the end of your paper.	Less than three references <u>or</u> unreliable source material <u>or</u> inconsistent formatting <u>or</u> failure to cite references both in text and at end of paper.	Missing references.

Service Learning Project Paper Rubric

Objective: Student will engage in (and document) 10-12 hours of service work related to environmental studies/science and then write a two page summary of how their experience relates to environmental science and your proposed field of study. For more information on volunteer opportunities please refer to www.pcc.edu/sl.

Component	Full credit (6 pts)	Partial credit (3 pts)	No credit (0)
Format	~ 2 pages in length Typed, double-spaced, 12 pt font, 1" margins, professional.	Too short or too long, format not as specified. Sloppy work.	Not typed, unreadable.
Writing quality	Well-written paper with proper spelling and grammar. Use of topic sentences and paragraph structure. Logical and clear progression of ideas.	Multiple spelling mistakes <u>or</u> grammar errors. Lacking focus, paragraph structure <u>or</u> topic sentences.	Unreadable.
Description	Provides brief description of service work performed, including a description of the host organization and the dates/hours of service.	Description is too brief or unclear. Does not provide detail about the organization/event or the work done by the student.	Missing or incomplete.
Reflection	Thoughtfully relates this service experience to environmental science and your proposed field of study or career path.	Fails to connect your experience to the larger picture	Missing or incomplete.
Documentation (at end of paper)	Provide information about your work hours and location, name of volunteer coordinator, and website and/or photos (if possible).	Lacking detail (e.g., dates/hours missing) or essential info (name of organization).	Missing documentation.

Citation Format for Papers Written for ESR and Biology

In ESR classes, we will use the Council of Science Editors ‘name-year’ style of citation.

I. Indicating citations in your text

Often one lists the author’s last name and the publication date in parentheses. If there are two authors, list both names. If there are more than two authors, list the first author followed by “et al.” and the date of publication. Do not use footnotes to make citations. The following example shows several acceptable types of name-year citations:

The population structure of the Spotted Owl is influenced by that of the forest in which it resides (Forsman et al. 1984). Fragmentation of the forest may lead to greatly reduced genetic variation in surviving populations of the owl (Lande and Barrowclough 1987). However, Lande (1988) has suggested that long-term survival of the Spotted Owl may be threatened more by demographic problems, such as the difficulty of young in dispersing successfully among forest fragments, than genetic ones.

II. Formats for full citations in the references section of your paper

Full citations for all references cited in the text should be provided in the references section at the end of your paper. Publications should be listed in alphabetical order by first author’s last name.

A. For journal articles use this format:

Author(s). Date. Title of Article. Journal Name vol: pages.

Example:

Freas KE, Kemp PR. 1983. Some relationships between environmental reliability and seed dormancy in desert annual plants. Journal of Ecology 71: 211-217.

B. For books:

Author(s). Date. Book Title. Publisher, City, State and Country where publisher located.

Example:

Fenner M. 1985. Seed ecology. Chapman and Hall, New York, New York, USA.

C. For edited books:

Author(s). Date. Chapter title. Pages xx-xxx in names of editor(s), editors. Book Title. Publisher, City, State and Country where publisher located.

Example:

Kemp PR. 1989. Seed banks and vegetation processes in deserts. Pages 257-282 in Leck MA, Parker VT, Simpson RL, editors. Ecology of soil seed banks. Academic Press, New York, New York, USA.

D. For Internet or Website Sources:

Caution: Anyone can put information up on the Internet!! Use only websites that are affiliated with a University, College, or reputable publisher, such as a textbook or electronically published journal. Try to provide as much information as possible about the Author, Date, Title, and Publisher.

Example:

Mellors RC. 1997. Other and newer aspects of HIV disease. Cornell University Medical College. (Internet at:
http://edcenter.med.cornell.edu/CUMC_Projects/HIV_Infection/HIV_Infection_05.html)

Example of website without author:

In references/literature cited section:

Emerald Ash Borer (EAB) [Internet]. [updated 2007 Feb 27]. Columbus (OH): Ohio Department of Natural Resources, Division of Forestry; [cited 2007 Jul 24]. Available from <http://www.dnr.state.oh.us/forestry/health/eab.htm>

In-text citation:

(Emerald Ash Borer ... [updated 2007])

III. If annotated references are requested...

Include a 1 - 2 sentence annotation in the Reference section, set aside from the citation.

Example:

Yeller AK, Kibonov AM. 1989. Enzymes: the movers and shakers of our body chemistry. Technology Review 86(9): 41-50.

This article discusses the role of enzymes in digestion and other body chemical reactions. It includes a discussion of enzyme deficiencies and specific intolerances that some people experience.

The following website discusses the Council of Science Editors (CSE) name-year style and has lots of good examples of different types of sources:

http://writing.wisc.edu/Handbook/DocCSE_NameYear.html

ESR 150
Lecture Schedule
Winter 2016

Week: Class Date	Topics
1: January 4	School closed.
2: January 11	PCC/PSU Environmental Science Program and short RC Environmental Studies Center Tour (Brenneis): Dress to go outside!
3: January 18	No Class due to Martin Luther King, Jr. Holiday.
4: January 25	Dr. John Rueter of Portland State University
5: February 1	Library Research Overview Meet in Library
6: February 8	Kyle Spinks of THPRD
7: February 15	Sheri Wantland of Clean Water Services
8: February 22	Rich Hatfield of the Xerces Society
9: February 29	Alanna Conley of the Environmental Protection Agency (EPA)
10: March 7	Corinne Handelman of the Sandy River Basin Watershed Council and Briita Orwick of the Tualatin Soil and Water Conservation District
	- Final weekly summary due - Hard copy of Career Summary or Service Learning Paper due.

The instructor reserves the right to modify course content and/or substitute assignments and learning activities in response to institutional, weather or class situations.